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Arg Met Phe Pro Asn Ala Pro Tyr Leu
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Arg Thr Pro Tyr Ser Ser Asp Asn Leu
 1
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Arg Val Ser Gly Val Ala Pro Thr Leu
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 1
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Ser Cys Leu Glu Ser Gln Pro Thr Ile
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 Ser Cys Gln Lys Lys Phe Ala Arg Ser
  1
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<212> PRT

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Ser Asp Val Arg Asp Leu Asn Ala Leu
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Ser Leu Gly Glu Gln Gln Tyr Ser Val
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Thr Cys Gln Arg Lys Phe Ser Arg Ser
               5
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Thr Glu Gly Gln Ser Asn His Gly Ile
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Thr Leu His Phe Ser Gly Gln Phe Thr
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<213> Mus musculus
<400> 303
Thr Leu Val Arg Ser Ala Ser Glu Thr
 <210> 304
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<213> Mus musculus
<400> 304
Val Leu Asp Phe Ala Pro Pro Gly Ala
<210> 305
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Trp Asn Gln Met Asn Leu Gly Ala Thr
<210> 306
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<400> 306
Tyr Phe Lys Leu Ser His Leu Gln Met
 1
<210> 307
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<213> Mus musculus
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Tyr Gln Met Thr Ser Gln Leu Glu Cys
                 5
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Tyr Ser Ser Asp Asn Leu Tyr Gln Met
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 <213> Homo sapiens
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 Gly Ala Ala Gln Trp Ala
                  5
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<210> 310

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Ala Ser Ala Tyr Gly Ser Leu Gly Gly Pro Ala Pro
                  5
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<211> 15
<212> PRT
<213> Homo sapiens
<400> 311
Ala Phe Thr Val His Phe Ser Gly Gln Phe Thr Gly Thr Ala Gly
                                      10
<210> 312
<211> 5
<212> PRT
<213> Homo sapiens
<400> 312
His Ala Ala Gln Phe
 1
<210> 313
 <211> 32
 <212> PRT
 <213> Homo sapiens
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Cys His Thr Pro Thr Asp Ser Cys Thr Gly Ser Gln Ala Leu Leu Leu
 Arg Thr Pro Tyr Ser Ser Asp Asn Leu Tyr Gln Met Thr Ser Gln Leu
                                  25
             20
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 <213> Homo sapiens
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 Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg Arg
                                       10
 Val Pro Gly Val Ala Pro Thr Leu Val Arg Ser Ala Ser Glu Thr Ser
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<211> 4
<212> PRT
<213> Homo sapiens
<400> 315
Arg Tyr Phe Lys
<210> 316
<211> 14
<212> PRT
<213> Homo sapiens
<400> 316
Glu Arg Arg Phe Ser Arg Ser Asp Gln Leu Lys Arg His Gln
                 5
<210> 317
<211> 22
<212> PRT
<213> Homo sapiens
<400> 317
Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr His Thr Arg Thr
His Thr Gly Lys Thr Ser
              20
 <210> 318
 <211> 21
 <212> PRT
 <213> Homo sapiens
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 Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val Arg His His Asn
 Met His Gln Arg Asn
              20
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 <211> 449
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<213> Homo sapiens

<400> 319

Met Gly Ser Asp Val Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Pro 5

Ser Leu Gly Gly Gly Gly Cys Ala Leu Pro Val Ser Gly Ala Ala

Gln Trp Ala Pro Val Leu Asp Phe Ala Pro Pro Gly Ala Ser Ala Tyr

Gly Ser Leu Gly Gly Pro Ala Pro Pro Pro Ala Pro Pro Pro Pro

Pro Pro Pro His Ser Phe Ile Lys Gln Glu Pro Ser Trp Gly Gly

Ala Glu Pro His Glu Glu Gln Cys Leu Ser Ala Phe Thr Val His Phe

Ser Gly Gln Phe Thr Gly Thr Ala Gly Ala Cys Arg Tyr Gly Pro Phe 105

Gly Pro Pro Pro Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe 120

Pro Asn Ala Pro Tyr Leu Pro Ser Cys Leu Glu Ser Gln Pro Ala Ile 135

Arg Asn Gln Gly Tyr Ser Thr Val Thr Phe Asp Gly Thr Pro Ser Tyr 155 150

Gly His Thr Pro Ser His His Ala Ala Gln Phe Pro Asn His Ser Phe 170 165

Lys His Glu Asp Pro Met Gly Gln Gln Gly Ser Leu Gly Glu Gln Gln

Tyr Ser Val Pro Pro Pro Val Tyr Gly Cys His Thr Pro Thr Asp Ser 200 195

Cys Thr Gly Ser Gln Ala Leu Leu Leu Arg Thr Pro Tyr Ser Ser Asp 215

Asn Leu Tyr Gln Met Thr Ser Gln Leu Glu Cys Met Thr Trp Asn Gln 230

Met Asn Leu Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser 250

Ser Val Lys Trp Thr Glu Gly Gln Ser Asn His Ser Thr Gly Tyr Glu 265

Ser Asp Asn His Thr Thr Pro Ile Leu Cys Gly Ala Gln Tyr Arg Ile

285 280 275

His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg Arg Val Pro 295

Gly Val Ala Pro Thr Leu Val Arg Ser Ala Ser Glu Thr Ser Glu Lys

Arg Pro Phe Met Cys Ala Tyr Pro Gly Cys Asn Lys Arg Tyr Phe Lys

Leu Ser His Leu Gln Met His Ser Arg Lys His Thr Gly Glu Lys Pro

Tyr Gln Cys Asp Phe Lys Asp Cys Glu Arg Arg Phe Ser Arg Ser Asp 360

Gln Leu Lys Arg His Gln Arg Arg His Thr Gly Val Lys Pro Phe Gln 375

Cys Lys Thr Cys Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr 385

His Thr Arg Thr His Thr Gly Lys Thr Ser Glu Lys Pro Phe Ser Cys 410

Arg Trp Pro Ser Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val 425 420

Arg His His Asn Met His Gln Arg Asn Met Thr Lys Leu Gln Leu Ala 445 440

Leu

<210> 320

<211> 449

<212> PRT

<213> Mus musculus

<400> 320

Met Gly Ser Asp Val Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Ser

Ser Leu Gly Gly Gly Gly Cys Gly Leu Pro Val Ser Gly Ala Ala

Gln Trp Ala Pro Val Leu Asp Phe Ala Pro Pro Gly Ala Ser Ala Tyr

Gly Ser Leu Gly Gly Pro Ala Pro Pro Pro Ala Pro Pro Pro Pro

Pro Pro Pro His Ser Phe Ile Lys Gln Glu Pro Ser Trp Gly Gly

65					70					75					80
Ala	Glu	Pro	His	Glu 85	Glu	Gln	Cys	Leu	Ser 90	Ala	Phe	Thr	Leu	His 95	Phe
Ser	Gly	Gln	Phe 100	Thr	Gly	Thr	Ala	Gly 105	Ala	Cys	Arg	Tyr	Gly 110	Pro	Phe
Gly	Pro	Pro 115	Pro	Pro	Ser	Gln	Ala 120	Ser	Ser	Gly	Gln	Ala 125	Arg	Met	Phe
Pro	Asn 130	Ala	Pro	Tyr	Leu	Pro 135	Ser	Cys	Leu	Glu	Ser 140	Gln	Pro	Thr	Ile
Arg 145	Asn	Gln	Gly	Tyr	Ser 150	Thr	Val	Thr	Phe	Asp 155	Gly	Ala	Pro	Ser	Tyr 160
Gly	His	Thr	Pro	Ser 165	His	His	Ala	Ala	Gln 170	Phe	Pro	Asn	His	Ser 175	Phe
Lys	His	Glu	Asp 180	Pro	Met	Gly	Gln	Gln 185	Gly	Ser	Leu	Gly	Glu 190	Gln	Gln
Tyr	Ser	Val 195	Pro	Pro	Pro	Val	Tyr 200	Gly	Cys	His	Thr	Pro 205	Thr	Asp	Ser
Cys	Thr 210		Ser	Gln	Ala	Leu 215		Leu	Arg	Thr	Pro 220	Tyr	Ser	Ser	Asp
Asn 225		Tyr	Gln	Met	Thr 230		Gln	Leu	Glu	. Cys 235	Met	Thr	Trp	Asn	Gln 240
Met	Asn	Lev	ı Gly	Ala 245		Leu	Lys	Gly	Met 250	Ala	Ala	Gly	Ser	Ser 255	Ser
Ser	· Val	Lys	260		Glu	Gly	Gln	Ser 265	Asn	His	Gly	Ile	Gly 270	Tyr	Glu
Ser	Asp	Asr 275	n His	Thi	Ala	Pro	280	Lev	ı Cys	s Gly	n Ala	Gln 285	Tyr	Arg	Ile
His	Thr 290		s Gly	v Val	L Ph∈	295		/ Ile	e Glr	n Asp	0 Val	Arg	Arg	Val	Ser
Gl ₃		L Ala	a Pro	Th	Let 310		l Arg	g Sei	Ala	315	c Glu 5	ı Thr	s Ser	Glu	1 Lys 320
Arg	g Pro	o Ph	e Met	32		а Туг	r Pro	o Gly	y Cys	s Ası O	n Lys	s Arg	у Туг	335	Lys
Lei	u Se:	r Hi	s Let 340		n Me	t Hi:	s Se	r Arg	g Lya	s Hi	s Thi	c Gly	y Glu 350	ı Lys	s Pro
Ту	r Gl:	n Cy 35	s As _] 5	o Ph	e Ly	s As	р Суз 36		u Ar	g Ar	g Phe	e Se:	r Arg	g Sei	Asp



Gln Leu Lys Arg His Gln Arg Arg His Thr Gly Val Lys Pro Phe Gln 370 380

Cys Lys Thr Cys Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr 385 390 395 400

His Thr Arg Thr His Thr Gly Lys Thr Ser Glu Lys Pro Phe Ser Cys 405 410 415

Arg Trp His Ser Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val 420 425 430

Arg His His Asn Met His Gln Arg Asn Met Thr Lys Leu His Val Ala
435
440
445

Leu